

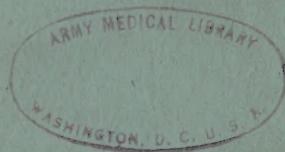
HEADQUARTERS
AIR MATERIEL COMMAND
WRIGHT FIELD, DAYTON, OHIO

SELECTED LISTING OF
AIR TECHNICAL PUBLICATIONS



Release Date:
June 1947

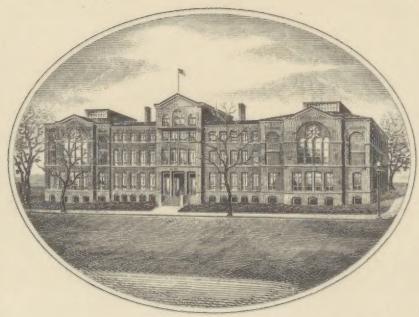
This Document is for your
retention and use



HEADQUARTERS AIR MATERIEL COMMAND
WRIGHT FIELD, DAYTON, OHIO



ARMY MEDICAL LIBRARY
FOUNDED 1836



WASHINGTON, D.C.

HEADQUARTERS
AIR MATERIEL COMMAND
WRIGHT FIELD, DAYTON, OHIO

SELECTED LISTING OF AIR TECHNICAL PUBLICATIONS

Approved by:

A. A. Arnhym
A. A. Arnhym, Colonel, Air Corps
Chief, Air Documents Division
Intelligence (T-2)

For the Commanding General:

H. M. McCoy
H. M. McCoy, Colonel, Air Corps
Deputy Commanding General
Intelligence (T-2)

ZTL
515
g U 58s
1947

0221

SELECTED LISTING OF AIR TECHNICAL PUBLICATIONS

INTRODUCTION

Following is a list of air-technical publications which are available for distribution from the Air Documents Division of Intelligence (T-2). Air Materiel Command. There are two such lists, one "Restricted" and one unclassified. The publications listed consist, for the most part, of translations of captured German documents and various types of air-technical intelligence reports. The number of available copies vary, therefore, requests received will be filled in order of receipt until the supply is exhausted.

Government agencies and contractors, as well as other authorized organizations may obtain copies of the listed publications by addressing their requests to:

Commanding General
Air Materiel Command
Wright Field, Dayton, Ohio

Attention: Air Documents Division
TSRDS

40310 R

TABLE OF CONTENTS

	Page
AERODYNAMICS	1
Boundary Layer Control	1
Compressibility.	1
Compressors and Fans	1
Control.	1
Cowling.	1
Dynamics	1
Flight Testing	2
Flow Non-Stationary.	2
Lift Distribution.	2
Performance.	2
Pressure Distribution.	3
Stability.	3
Sweepback.	3
Two-Dimensional Theory	4
Wind Tunnels and Wind Tunnels Research	4
Wings.	4
AEROMEDICINE.	4
General.	4
Psychological Testing.	5
AERONAUTICAL RESEARCH	5
AIRCRAFT.	5
Aircraft Descriptions, Handbooks, Manuals, etc.	5
German Aircraft Description by Model No.	5
Ar-234	5
BV-155	5
FW-190	5
He-162	5
Ju-388	6
Me-163	6
Me-262	6
TA-152	6
German-Projected Designs.	6
Gliders	7
Japanese Aircraft Description by Model No.	7
Frank-1.	7
Jill-12.	7
Nick-2	7
Rob, C	7
Zeke-52.	7
Japanese-Projected Designs.	7
Design	8
Development - Heinkel.	8
Flying Wings	8

	Page
Production	8
Rotary Wing Aircraft	8
Bibliography	8
Control	8
Description	9
Dynamics	9
Performance	9
Stability	9
ARMOR AND ARMAMENT	10
Bombsights	10
Sights	10
Sighting Computers	10
BEARINGS	10
ELECTRONICS	10
General	10
Infrared	11
Radio and Radar	11
Antennas	11
Condensers	11
Counter Measures	11
Crystals	11
Interference	12
Radio Receivers	12
Shielding	12
Tubes (Vacuum)	12
Wave Propagation	12
Supply and Maintenance	13
EQUIPMENT	13
Electrical Equipment	13
Fire Extinguishing	13
Heating	14
Instruments	14
Life Rafts	14
Miscellaneous	14
Oxygen	14
Parachutes	15
Personal	15
Pumps	15
Servicing and Maintenance	15
GUIDED MISSILES	15
Aerodynamics	15
Description	16
Guidance and Control	16
Parachute Recovery	16

	Page
HIGH ALTITUDE FLIGHT	16
HYDRODYNAMICS	17
Cavitation	17
Towing	17
ICING	17
Deicing	17
Ice Formation- Measurement	17
Ice Formation and Prevention	17
Ice Warning	18
LANDING AND TAKE-OFF	18
MATERIALS	18
Ceramics	18
Chemical	18
Fabrication	18
Glues	18
Light Metals	19
Magnet Alloys	19
Metallurgical Research	19
Metals	20
Paints and Dopes	20
Phosphors	20
Plastics	20
Plasticizers	20
Polymerization	20
Properties	21
Plating	21
Testing	21
Wood	21
METEOROLOGY	21
ORGANIZATIONS, LABORATORIES AND RESEARCH STATIONS	22
PACKING	22
PHOTOGRAPHY	22
POWER PLANTS	23
Combustion	23
Cooling	23
Deaeration	23
Engine Manuals and Descriptions	23
Evaluation	24
Exhaust Gas Measurement	24
Fuel Injection	24
Fuels and Lubricants	24

	Page
Gas Turbine-Development	25
High Temperature Materials	25
Ignition	25
Jet Propulsion Development	25
Lubrication.	25
Performance.	25
Plating.	25
Ramjets.	26
Rocket	26
Superchargers.	26
Tanks.	26
Turbine Bearings	26
Turbine Blades	26
Turbo Development.	26
Turbojets-Components	26
Turbojets-Starters	27
Turbojets-Vibration.	27
Two-Cycle Engine-Development	27
 PROCUREMENT.....	27
 PROPELLERS.	27
 SOURCE REFERENCES	27
 STRUCTURES.	28
General.	28
 THERMODYNAMICS.	28
 TRAINING.	28
 INDEX OF AUTHORS.	29

SELECTED LISTING OF AIR TECHNICAL PUBLICATIONS

AERODYNAMICS

Boundary Layer Control

Schweir, W.

Lift Increase Produced by Blowing a Wing of a Profile Thickness of 9%, Equipped with a Slat and a Slotted Flap

F-TS-645-RE

Compressibility

Lowell, A.L., Capt, AC

Compressibility Research by Professor Isao IMAI, Tokyo Imperial University

F-IR-96-RE
(ATIG-151)

Compressors and Fans

Girntke

Calculations on the Stability of the Intake Fan 9-2426 103-027 12

F-TS-531-RE

Control

Gunter, Siegfried

The Control of Large Airplanes

F-TS-580-RE

Hafer, Xaver

The Spring Tab

F-TS-676-RE

Henschke, U. and Karlson, P.

A New Control System for Fighter Aircraft

F-TS-562-RE

Cowling

Kuechemann and Weber

On the Flow Around Ring-Shaped Cowling Part III Thin Ring Profiles

F-TS-683-RE

Reichardt, H.

Cowling Rings with Cavitation Contour

F-TS-624-RE

Dynamics

Brown, Sheldon W., Comdr, USN

Vibration and Flutter Methods Employed by the Japanese

F-IR-40-RE
(ATIG-10)

Dietze

The Air Forces of the Harmonically Vibrating Wing in Compressible Medium at Subsonic Velocity

F-TS-506-RE

Jordan

Flutter Calculations Considering the Influence of the Finite Span on the Air Forces

F-TS-769-RE

Katterback

Contributions to the non-stationary Wing Theory IX. Numerical Comparison of Various Approximation Theories on the Oscillating of Large Aspect Ratio

F-TS-943-RE

Dynamics (continued)

Liebe, Dr.	Investigations (Of Rudder Oscillations) of the Original Rudder Unit of the Ju-290. VI in the 8 M. Ø Wind Tunnel of the Hermann Goering Institute for Aeronautics	F-TS-409-RE
Schwarz	Tables for the Calculation of Air Forces of the Vibrating Wing in Compressible Plane Subsonic Flow	F-TS-599-RE
Wielandt	Contributions to the Mathematical Treatment of Complex Specific Value Problems III: The Iteration Procedure in the Flutter Calculation	F-TS-904-RE
Pinsker, W.	The Aerodynamic Coefficients of Free Lateral Motion (First Partial Report)	F-TS-619-RE

Flight Testing

Lindemann, H.	High Speed Tests on the He-162 Jet Fighter	F-TS-1037-RE
Lienarz	Comparison of High Speed Tests on Several Airplane Models	F-TS-1042-RE
	Questions and Answers Concerning Experiences with High Speed Flight	F-TS-677-RE
Morse, J.H., Comdr, USN	Flight Testing Methods of the Japanese Navy	F-IR-53-RE (ATIG-64)

Flow, Non-Stationary

Sauer	Theory of Non-Stationary Gas Flow II Plane Gas Waves with Compression Shocks	F-TS-758-RE
	Theory of Non-Stationary Gas Flow I, Laminar Steady Gas Waves	F-TS-763-RE

Lift Distribution

Braun	Conference Report on Problems of Aerodynamic Stress	F-TS-905-RE
Saveliev, V.V.	Wing Weight Distribution Along Span	F-TS-573-RE

Performance

Hennings, W.	Influence of Thrust Load and Thrust Variation on the Flight Performance of Jet Airplanes	F-TS-542-RE
--------------	--	-------------

Performance (continued)

Hennings, W.	Report No. 124. Some Basic Considerations of Aircraft Performances with Various Types of Power Plants. (Heinkel Report)	F-TS-673-RE
Lippisch	Performance of Theory of Airplanes with Jet Propulsion	F-TS-685-RE
	Tests Regarding the Load Carrying Capacity of the Model 109-Oll Jet Engine Housing Using a Bomb Load	F-TS-529-RE
Zobel, Theo.	Fundamentally New Means of Increasing Performance of High Speed Aircraft	F-TS-649-RE

Pressure Distribution

Lemme, H.	Force Measurements and Pressure Distribution Measurements on a Rectangular Wing with Slotted Droop Nose, Trailing-Edge Flap and Split Flap or with Roll Flap	F-TS-647-RE
Lippisch, A. and Beushausen, W.	Pressure Distribution Measurements at High Speed and Oblique Incidence of Flow	F-TS-634-RE

Stability

Hoch, Hans	Directional Stability by Means of a Limit Switch in the Neutralizing Control	F-TS-559-RE
------------	--	-------------

Sweep Back

Busemann, A.	Swept-Back Wings at High Speeds	F-TS-629-RE
Guenther, Siegfried	The Influence of Fuselage and Wing Sweepback in the Range and Speed of Turbo-Jet Airplanes	F-TS-668-RE
Lemme	Swept-Back, Truncated Swept Back M Shaped Wings	F-TS-622-RE
Luetgebrune	Contributions to Sweep-Back Research	F-TS-684-RE
Luetgebrune, H.	Pressure Distribution Measurements of Swept-Back Wings	F-TS-681-RE
Ludweig, H.	Test Results on Arrow Head Wings at High Velocities	F-TS-417-RE
Multhopp, Hans	The Arrow Head Wings at High-Flight Velocity	F-TS-411-RE

Sweep Back (continued)

Scholheimer Six Component Measurements for Three F-TS-602-RE
Swept-Back Wings with and without Fuselage

Weissinger The Lift Distribution of Swept-Back F-TS-618-RE
Wings

Two-Dimensional Theory

Hoenl, H. Two-Dimensional Wing Theory in the F-TS-916-RE
Supersonic Range

Wind Tunnels and Wind Tunnels Research

Gilmore, J.H., Capt, AC High-Speed Wind-Tunnel Research at F-IR-56-RE
Yokasuka (ATIG-70)

Groth Evaluation of Density Fields Around F-TS-607-RE
Airfoils in Wind Tunnels by Means of Optical Interference

Groth Evaluation of Density Fields at High F-TS-608-RE
Subsonic Velocities by means of Optical Interference Measurements

Wiesselsberger, C. and German Wind Tunnel Data F-TR-102-RE
Hemke, Prof.
1. High Speed (Subsonic) Wind Tunnel
of DVL
2. Wind Tunnel Wall Corrections in
Compressible Flow

Wings

Goethert, H. High Velocity Measurements for a Wing F-TS-646-RE
of a Small Aspect Ratio

AEROMEDICINEGeneral

Castor, John G. B., Capt, AC List of Japanese Aero-Medical F-IR-91-RE
Research Publications, Content (ATIG-241)
and Disposition

Luxenburger, Hans Psychology of Flying F-TS-596-RE

Nicholson, Hayden C., Maj, MC Hospitalization in the Japanese F-IR-89-RE
Army Air Force (ATIG-211)

Reiher, H and Sensitiveness of the Human Body F-TS-616-RE
Meister, F.J. to Vibrations

Psychological Testing

The Small Reaction Apparatus

F-TS-752-RE

AERONAUTICAL RESEARCH

Helmick, P.F., Col, AC

Certain Reports of Aeronautical Research prepared by Prof. Tomojiro Moriya, Tokyo Imperial University

F-IR-106-RE
(ATIG-33)

AIRCRAFT

Aircraft Descriptions, Handbooks, Manuals, etc.

German Aircraft Description by Model No.

Ar-234

Baker, Richard J., 1st Lt, AC Evaluation of German Arado 234

F-TR-1108-ND

Baker, Richard J., 1st Lt, AC Study of Arado 234 High Speed, Twin Jet, Reconnaissance Bomber Interim Report No. 1.

F-IM-1123A-ND

Report on Experiences with the Ar-234 B (Long Range Reconnaissance Airplane)

F-TS-541-RE

BV-155

Hall, E.N., Maj, AC Blohm and Voss 155 B Fighter

F-TR-104-RE

FW-190

Ross, Charles A., 1st Lt, AC Focke-Wulf 190-D9 Appendix to Handbook for FW-190 Airplane (Project No. NAD 52)

F-TR-1124-ND

Van Wart, F.D., 1st Lt, AC Handbook for FW-190 Airplane

F-TR-1102-ND

Pursuit Airplane FW-190/BMW 801

F-TS-406-RE

He-162

Byers, John R., 1st Lt, AC Interim Report No. 1 on the German Jet Fighter Heinkel 162

F-IM-1113A-ND

Günter, S. and Hohbach History and Experiences of He-162 and He-162 Report No. 2 Performances with Jumo-004 (Heinkel Report)

F-TS-672-RE

Ju-388

McConnell, Gene F., Cpl, AC Technical Report on Ju-388
L-1 Aircraft F-TR-1138-ND

Me-163

Ford, Robert J., 1st Lt, AC Interim Report No. 1 on Me-163 F-IM-1112A-ND
Me-163B Airplane Manual F-TS-448-RE
Description of the Me-163 B-0 F-TS-502-RE

Me-262

Baker, R.J., 1st Lt, AC Me-262 Maintenance Handbook
(Project No. NAD 29) F-TR-1121-ND
Van Wart, F.D., 1st Lt, AC Me-262 A-1 Pilot's Handbook F-SU-1111-ND

TA-152

Operating Instructions for Pilot's
8-152 H-1, H-1/R11 F-TS-543-RE

German-Projected Designs

Baker, R.J., 1st Lt, AC Focke-Wulf Designed Jet Fighter F-SU-1114-ND
Eichner and Hohbach Single Place Fighter with Turbo-Jet HeS-11 P-1078 (Heinkel Report) F-TS-670-RE
Focke-Wulf Flugzeugbau G.m.b.H. TL-Fighter with HeS-Oll Engine
Design and Production Study F-TS-635-RE
Focke-Wulf Flugzeugbau G.m.b.H. Description of Construction No. 272
Single Engine Jet Fighter with Rocket Unit F-TS-460-RE
Guenther, S. Single Place Fighter with Lorin Jet
(Heinkel Report) F-TS-674-RE
Heerdt and Hohbach The Lorin Duct as Aircraft Propelling Force, and Construction Description No. 283 Duct Engine
(Athodyd Fighter) F-TS-523-RE
Hohbach and Eichner Single Place Fighter Fitted with DB-603 L.M. Engine, P-1076
(Heinkel Report) F-TS-671-RE
Hohbach and Eichner Night Fighter and Destroyer Fitted with Two HeS-Oll Power Plants P-1079
(Heinkel Report) F-TS-675-RE
Messerschmitt A.G. Description of Construction No. 1603 Dornier-Night Fighter F-TS-468-RE
Description of the Project P 01-114 Under Construction F-TS-540-RE

Gliders

Gilmore, J.H., Capt, AC	Information on Japanese Air Force Gliders	F-IR-108-RE (ATIG-183)
Kerr, W.M., Capt, AC	Interim Report No. 1 on the Gotha 242 Glider. Pilot's Flight Operating Instructions	F-IM-1118A-ND
Kerr, W.M., Capt, AC	Interim Report No. 2 on the Gotha 242 Glider. Maintenance Handbook (Project No. NTE-38)	F-IM-1118B-ND

Japanese Aircraft Description by Model No.

Frank-1

Groseclose, R.J., Capt, AC	Interim Report No. 1 on the Frank-1 (KI-84) High Speed Conventional Fighter	F-IM-1119A-ND
Groseclose, R.J., Capt, AC	Frank-1 (KI-84) Pilot's Handbook, Project No. NAD-25, Interim Report No. 2	F-IM-1119B-ND
Groseclose, R.J., Capt, AC	T-2 Report on Frank-1 (KI-84), T-2 Serial No. 302, Interim Report No. 3 (Project No. NAD-25)	F-IM-1119C-ND

Jill-12

Maintenance Manual for Jill-12 F-TS-550-RE

Nick-II

Groseclose, R.J., Capt, AC Nick-II (K-I 45) Japanese Night Fighter F-TR-1143-ND

Rob, C.

Dilworth, J.A., Capt, AC	Japanese Experimental Fighter Aircraft Rob (KI-64) (Kawasaki Aircraft Co., GIFU Branch)	F-IR-107-RE (ATIG-71)
Petaga, A.E., Maj, AC and Gilmore, J.H., Capt, AC	Japanese Rob (KI-64) Single Place Fighter with Two Engines in Tandem and Vapor Phase Cooling	F-IR-100-RE (ATIG-181)

Zeke-52

Van Wart, E.D., 1st Lt, AC Pilot's Handbook for Zeke-52 Airplane F-TR-1101-ND

Japanese-Projected Designs

Advanced Echelon FEAF

Description of Experimental Aircraft and Experimental Engines under Development by the Japanese Army and the Imperial Japanese Navy F-IR-101-RE
(ATIG-192)

Design

Spangler, S.B., Capt, USN

Aircraft Design and Development

F-IR-41-RE
(ATIG-27)

Development - Heinkel

Helmbold, Heinrich B.

ATI Report 11-15 Aug 1945

F-TS-679-RE

Flying Wings

Dilworth, J.A., Capt, AC

Japanese Tailless Aircraft and
Theoretical Work on Spiral
Instability

F-IR-109-RE
(ATIG-177),

Nauber

Comparisons of the B-299 and the
GO P-60 All-Wing Airplanes

F-TS-525-RE

Schmid

Tentative Description of Con-
struction of Flying Wing 229

F-TS-526-RE

Test Stand Experiments on Vibra-
tions with the All-Wing Airplane
Model DFS 39

F-TS-515-RE

Theories about Tailless Airplanes

F-TS-516-RE

Production

Helmick, P.F., Col, AC
and Richardson, M.B.

Aircraft Production Facilities
and Methods at the Hitachi Air-
craft Plant, Chiba. (Second Air
Tech. Intell. Review-51)

F-IR-51-RE
(ATIG-60)

Rotary Wing Aircraft

Bibliography

Wright Field Library,
Reference Br.

Bibliography of Rotary Wing
Aircraft (Prepared by Engineering
Division, ATSC)

F-IR-51-RE
(ATIG-60)

Control

Hohenemser, K.

The Theory for the Control of the
Blade Angle of the Helicopter

F-TS-1004-RE

Hohenemser, K.

Theory of Helicopter Control in
Hovering Flight

F-TS-1006-RE

Description

FA-223 Helicopter Interview with
Prof. Focke and Inspection of
Machine

F-TS-643-RE

Dynamics

Hohenemser, Kurt, Dr.

Theory of Oscillations of Blades
in the Plane of Rotation

F-TS-1005-RE

Sissingh, Gerhard

Air and Mass Forces on Helicopter
Propellers with Inclined Hinge

F-TS-510-RE

Performance

Hohenemser, K.

The Performance Characteristics of
the Helicopter

F-TS-1001-RE

Hohenemser, K.

The Power Required of the Ideal
Helicopter

F-TS-1045-RE

Hohenemser, K.

The Pull-up of the Helicopter

F-TS-692-RE

Sissingh

Investigation of the Influence of
Rotor Diameter, Blade Solidity,
and Blade Setting on the Thrust
of a Rotor with Jet Propulsion

F-TS-689-RE

Sissingh, G.

Investigation of the Influence of
High Subsonic Velocities on the
L/D of Rotary Wing Aircraft

F-TS-1007-RE

Schoppe, G.

Static Thrust Tests of the Model
Helicopter Rotor and Preliminary
Research of the Model Helicopter
Rotor

F-TS-1003-RE

Stability

Hohenemser, K.

Lateral Stability of the Helicopter
in Steady Forward Flight

F-TS-691-RE

Hohenemser, K.

Stability in Hovering of the
Helicopter with Central Rotor
Location

F-TS-687-RE

Hohenemser, K.

Longitudinal Stability of the
Helicopter in Forward Flight

F-TS-688-RE

Sissingh

Contribution to the Dynamic Stabil-
ity of Rotary Wing Airc. With Arti-
culated Blades. Part I - General
Principles

F-TS-690-RE

Sissingh

The Dynamic Stability of Helicopters
With Articulated Rotors. Second
Partial Report

F-TS-1002-RE

Steuding

Stability in Vertical Flight

F-TS-1024-RE

ARMOR AND ARMAMENT

Bombsights

Theory and Use of the Erika Computer

F-TS-591-RE

Sights

Rapp, Harry W.

Examination and Test of the ZFR4A German Gunsight

F-TR-1128-ND

Schmid, K.

Ultrahigh Frequency Sight Unit

F-TS-1063-RE

Sighting Computers

Construction Folder for Electrical Self Balancing Tele Transmission and Computing Bridges for Direct Current Voltage of 22 to 30 volts

F-TS-586-RE

BEARINGS

Czerlinsbey

Report on Non Destructive Bearing Testing with Supersonic Waves

F-TS-606-RE

Hampp

Influence of Design Dimensions Upon the Operational Performance of Roller Bearings

F-TS-604-RE

Morse, J.H., Comdr, USN

Ball Bearing Manufacture

F-IR-59-RE
(ATIG-77)

Perret

The Effect of Bearing Play on the Load Carrying Capacity of Anti-friction Bearings

F-TS-595-RE

ELECTRONICS

General

Hatter, George L., Col, AC

Miscellaneous Electronic Documents

F-IR-71-RE
(ATIG-277)

Henning, E.S., 1st Lt, AC

The High Frequency War. A Survey of German Electronic Development

F-SU-1109-ND

Henning

Dictionary of German Electrical Symbols. Contents: General Explanations, Transmission, General Symbols

Pippel

Direction of Currents on an Airplane Excited by Radiation

F-TS-508-RE

Infrared

Mueser, H.	Experiments to Find a "Radiation" Effect of Excited Centers in Lead Sulfide Light Resistors	F-TS-1841-RE
Pick, Heinz	The Photo-Electric Sensitivity of Lead Sulfide	F-TS-1038-RE

Radio and Radar

Deibel, R.F., Lt Comdr, USN	Airborne Radar and Communication Equipment	F-IR-65-RE (ATIG-14)
-----------------------------	--	-------------------------

Antennas

Eisenberg	Wide Band Yagi Antennae	F-TS-1029-RE
Neubauer, A., Schaffer, H., and Viehmann, H.	Coupling of Airplane Antennas with the Aircraft Wiring System and the Effect of the Various Shielding of the Aircraft System	F-TS-524-RE
Sudeck and Harmemng	Aerodynamically Favorable Fixed Antennas	F-TS-917-RE
Sudeck	Development of an Aircraft Fixed Antenna Common to Long and Short Waves with Improved Radiation Efficiency	F-TS-755-RE
Sudeck	Radiation Improvement of Fixed Antennas by Feeding of the Antenna Circuit	F-TS-751-RE
Zisler, S.	Investigations on Omnidirectional Antennas on a Ju-88	F-TS-1067-RE

Condensers

Linder, L., and Schniedermann, J.	The Effect of Self Inductance of Rolled Paper Condensers on their Impedance	F-TS-410-RE
Melhardt	Investigation of the Temperature Dependence, the Capacity, and the Loss Angle of Electrolyte Condensers for Low Temperatures	F-TS-576-RE

Counter Measures

Braun and Stark	Research on the "Nurnberg" Procedure	F-TS-777-RE
Fleming, Dennis J., 2nd Lt, AC	American Radar Counter-Measures VS Japanese Flak and EW Radar	F-IR-103-RE (ATIG-203)

Crystals

Kurzke, H. and Rottgart, J.	Experiments About Growing of Rochelle Salt Crystals	F-TS-482-RE
-----------------------------	---	-------------

Interference

Bosch	Interference Potential Measurements on the Me-323 Series	F-TS-574-RE
Crone	Radio Interference by Electrical Charges and their Removal Part I	F-TS-570-RE
Hoh	Circuit for the Interference Free Reception of Remote Control, Release and Message Signals	F-TS-440-RE
Neubauer	Radio Reception Interferences by the Ignition System, Partial Report I: Evaluation of Various Spark Plug Shieldings in the Ultra-Short Wave Reception	F-TS-909-RE
Viehmann, H. and Schaffer, H.	Examination of Lines Variously Shielded to Avoid Radio Interferences	F-TS-519-RE
Viehmann, H.	Elimination of Radio Reception Interference in Aircraft (Second Intermediate Report)	F-TS-579-RE
Schaffer	Grounding of Airplanes as a Means of Carrying off Static Charges	F-TS-421-RE

Radio Receivers

Becker and Schulze-Schwanebrugge	A Wide-Band Receiver of High Sensitivity for Measurement of Interference Voltages at 50 cm Wave Lengths	F-TS-501-RE
Messerschmitt, A.G.	Aircraft Radio Set 125 for Me-262	F-TS-584-RE

Shielding

Neubauer, A., Schaffer, H. and Viehmann, H.	Coupling of Airplane Antennas with the Aircraft Wiring System and the Effect of the Various Shieldings of the Aircraft Wiring System	F-TS-524-RE
---	--	-------------

Tubes (Vacuum)

Hobbs, Marvin	A Survey of Recent Japanese Vacuum Tube Developments	F-IR-130-RE (ATIG-254)
Groeber, H.	Corrosion Tests on Plated Electron	F-TS-954-RE
Hechtel, R.	Production of Electron Beams of High Current Density	F-TS-1035-RE
Pickering, W.H., Dr.	Magnetron Research in the Japanese Navy	F-IR-37-RE (ATIG-131)

Wave Propagation

Hartsfield, Wm.L., Maj, AC	Long Range Forecast of Ionospheric Data as Applied to Propagation of Radio Waves	F-IR-69-RE (ATIG-244)
----------------------------	--	--------------------------

Supply and Maintenance

Haller, Geo. L., Col, AC and Fleming, D.J., 1st Lt, AC Supply and Maintenance of Japanese Air Force Electronic Equipment F-IR-70-RE (ATIG-312)

EQUIPMENT

Electrical Equipment

Deibel, R.F., Lt Comdr, USN	Electrical Equipment and Accessories for Japanese Aircraft	F-IR-66-RE (ATIG-43)
Diebel, R.F., Lt Comdr, USN	Japanese Naval Aircraft Electrical Systems and Equipment	F-IR-68-RE (ATIG-12)
Dirksen, A.D., Maj, AC	Electrical Equipment for Japanese Aircraft	F-IR-67-RE (ATIG-135)
Fleissner, G. and Viehmann, H.	Method for Measurement of Very Small Electromotive Forces (Thermo E.M.F.'s) Through Slip Rings	F-TS-483-RE
	Description and Instruction for use of Motor Drive KM 18 and KM 30 and of the Universal Impulse Regulator IRU	F-TS-505-RE
Jensen, A.G., S/Sgt, AC	Investigation of Brush Wear on Electrical Rotating Machines	F-IR-73-RE (ATIG-195)
Jensen, A.G., S/Sgt, AC and Galanty, H., Pvt, AC	Japanese Air Force Electrical Equipment. Answers to Questions from (T-2) of Air Technical Service Command	F-IR-72-RE (ATIG-263)
Messerschmitt A.G.	Description of Servomotor LRM 12	F-TS-489-RE
	Investigation of the Aircraft Wiring System of the Me-323 (Interference Voltage Measurements)	F-TS-577-RE
	Specifications for Multipolar Socket Sockets I and II (Type Stotz)	F-TS-753-RE
Viehmann, H.	DVL Plasticity Device (PPG2) to Determine the Deformation of Electric Cable Insulations Under Pressure and Heat	F-TS-1062-RE

Fire Extinguishing

Beardsley, G.F., Capt, USN	Japanese Naval Aircraft CO ₂ System Design, Report on-	F-IR-76-RE (ATIG-46)
Kuhn, F.	Examination and Testing of Fire Alarm and Fire Extinguishing Devices for use in Aircraft	F-TS-775-RE

Heating

Instruments

Bachem, C.	Speed Measurement with the Doppler Effect of Ultrashort Waves	F-TS-764-RE
Buhl, Walter T. (Jack and Heintz Co.)	Investigation and Report of German Aircraft Accessories Patin Pilot	F-TS-657-RE
Daibel, R.F., Lt Comdr, USN	Aircraft Instruments	F-IR-75-RE (ATIG-25)
Gloeckner, H.	Investigation of the Hegenberger Blind-Landing Method	F-TS-1028-RE
	Preliminary Description of Patin Directional Gyro Control Unit PKZ 13	F-TS-1054-RE
Magnus, K.	Critical Stages in Gyros with Flexible Shafts	F-TS-556-RE
Magnus, K.	Procedures for Determining the Frictional Torque on Gyroscopes	F-TS-466-RE
Mauch	The Askania Three-Gyro Automatic Pilot Control	F-TS-1064-RE
Schaller, W.H., S/Sgt, AC	Aircraft Instruments and Automatic Pilots	F-IR-85-RE (ATIG-93)

Life Rafts

The Individual Pneumatic Life Raft	F-TS-568-RE
The Individual Pneumatic Life Raft F1 410201 Maintenance and Operation	F-TS-569-RE
Sea Equipment (Individual Pneumatic Life Raft)	F-TS-567-RE

Miscellaneous

Thomas, D.E., Maj, AC Miscellaneous Equipment for Japanese Aircraft F-IR-81-RE
(ATIG-122)

Oxygen

Beardsley, B.F., Capt, USN Aircraft Oxygen Equipment - Japanese Navy F-IR-50-RE
(ATIG-59)

Parachutes

Knacke, T. and Isermann, R.	The Fist Ribbon Brake Parachute	F-TS-549-RE
Lohmann, H.	Investigations on the Strength of Impregnated Parachute Fabrics	F-TS-760-RE
Madelung, Georg	Report on the Works of the Para- chute Department (Graf Zeppelin)	F-SU-1107-ND
	Report of Research and Experiments on the High-Speed Parachute (Japan)	F-TS-430-RE

Personal

Monke, Victor J., Capt, AC	Clothing for Aircrrews of the Japa- nese Aircraft Plant, Chiba	F-IR-90-RE (ATIG-227)
----------------------------	---	--------------------------

Pumps

Petaja, A.E., Maj, AC	Description and Operation of the Nakajima Speed-Density Pump	F-IR-97-RE (ATIG-179)
-----------------------	---	--------------------------

Servicing and Maintenance

Thomas, D.E., Maj, AC	Aircraft Servicing and Maintenance Equipment Used by the Japanese Air Force	F-IR-94-RE (ATIG-284)
-----------------------	---	--------------------------

GUIDED MISSILES

Aerodynamics

Oswatitsch	Pressure Recovery in Missiles with Reaction Propulsion at High Super- sonic Speeds (The Efficiency of Shock Diffusors)	F-TS-609-RE
------------	---	-------------

Ludwieg, H. and Weber, E.	The Effect of Swept-Back Control Surfaces upon Drag and C.P. Loca- tion of a Fin-Stabilized Long Pro- jectile at Supersonic Velocities	F-TS-697-RE
------------------------------	---	-------------

Kaiser Wilhelm Inst.	Aerodynamic Forces and Streamline Phenomena for Self-Propelled Mis- siles	F-TS-600-RE
----------------------	---	-------------

Kraus, Dr. and Herrmann, B.	The Magnitudes of Boundary Layer Temperatures, Heat Transfer Coeffi- cients and Skin Temperatures of Ver- tically and Obliquely Launched A_4 Missiles and of the A_4b Glider	F-TS-603-RE
--------------------------------	--	-------------

Kurzweg, Dr.	The Aerodynamic Development of Anti- aircraft Rocket "Wasserfall" (Cataract)	F-TS-615-RE
--------------	---	-------------

Description

Bramble, R.B., Jr. German Guided Bomb PC-1400 Kg FX-1 F-SU-1132-ND
(Fritz-X) (Project No. NTE-15)

Henrici, Julius Intelligence Report. Hs-117, F-TR-106-RE
"Butterfly"

Kramer, Max Remote Controlled Dive Bombs F-TS-551-RE

Guidance and Control

Hill, Landon, P., Capt, AC A Summary of German Missile Con- F-SU-1115-ND
trol Methods

Eichler Model for the Gyro-Pendulum F-TS-1069-RE
Investigation in the Ignition Test
and on the Oscillating Table

Schlier Prevention of Roll of the A IV F-TS-1016-RE
Rocket by Means of a Pendulum

Schols, E. Remarks about Geometric Structure F-TS-1018-RE
and the Construction of the Boundary Curve of the Stability Range
of Constants a_0 , a_1 for a Characteristic Equation of the Sixth
Degree

Schubert A Second Model Device for Oscilla- F-TS-1053-RE
tion Stand Testing of the Effect
of a Guide Beam During Combustion

Schubert, R. Model for Investigation of the F-TS-1020-RE
Pilot Beam in a Propulsion Test and
and on the Experimental Testing
Table

Vieweg, R., Dr Variable Circuit Reproductions F-TS-504-RE

Parachute Recovery

Hardy, Harry K., 1st Lt, AC German Developments in Parachute F-SU-1103-ND
Recovery of Guided Missiles

HIGH ALTITUDE FLIGHT

Casto, John G.B., Capt, AC High Altitude Chambers III. F-IR-92-RE
Research Laboratories and
Equipment (ATIG-274)

Benzinger, Theodor Physiological Basis for the F-TS-467-RE
Construction and Use of Strato-
sphere Airplanes

Hansen, Asmus Problems of High Altitude Flying F-TS-459-RE

Wagner, Herbert	Report on the Construction of High Altitude Aircraft	F-TS-590-RE
Deinhardt	Increasing the Critical Altitude of the 222 E/F	F-TS-585-RE

HYDRODYNAMICS

Cavitation

Reichardt, H.	Concerning Cavitation Installations for Small Cavitation Numbers	F-TS-698-RE
---------------	--	-------------

Towing

Hinterthan, W.	Towing of Turrets, Cabins, Cowls in the Towing Basin of HSVA	F-TS-1023-RE
----------------	--	--------------

ICING

Deicing

Brown, Sheldon W., Comdr, USN	Japanese Airplane DeIcers	F-IR-74-RE (ATIG-22)
Hamacher	Basis for High Voltage Deicing	F-TS-768-RE
Ritz-Hentrich	Amount of Energy Needed for Deicing Equipment, Report No. 4 of the Experimental Group "Ice Accretion"	
Wieghardt, K.	Hot Air Discharge for Deicing	F-TS-919-RE

Ice Formation- Measurement

Barner	Ice Formation Measuring Equipment Type C-160	F-TS-611-RE
Böttger, R.	Suitability of Disc and Cone for Ice Layer Measuring by Aerodynamic Drag	F-TS-767-RE

Ice Formation and Prevention

Eck	Propeller Icing and Its Prevention	F-TS-517-RE
Eder	Antenna Icing and Its Prevention	F-TS-907-RE
Diem, M.	Contribution to the Problem of Ice Formation	F-TS-533-RE

Ice Warning

Viehmann, H.	Further Experiences with the DVL Ice Warning Device	F-TS-613-RE
Viehmann, H. and Zinsstag	Investigation for Improvement of the DVL Ice Warning Device	F-TS-612-RE

LANDING AND TAKE-OFF

Becker, Wilhelm	The Conductivity of Airplane Tail Wheel Tires and Its Variation in Practical Use	F-TS-961-RE
Darevsky, V. M.	Determining of Stresses in the Floor at the Landing Shock of a Seaplane	F-TS-592-RE
Messerschmitt A.G.	Nose Wheel Shimmy Me-262	F-TS-776-RE
	The Fist Land Airplane Catapult Kl-12	F-TS-548-RE
Maier, E.	Comparison of Two Types of Nose Wheel Control	F-TS-956-RE
Schrode and Engert	Life of Tail-Wheel Tires, 350 x 135, at Various Landing Speeds	F-TS-925-RE

MATERIALS

Ceramics

Mayer	Position of Thermo- and Electro- ceramic Research Carried out by the Messerschmitt Plant Leichbau Regensburg LTD	F-TS-428-RE
-------	---	-------------

Chemical

	Preparation of "Alkazid" M & DIK	F-TS-771-RE
--	----------------------------------	-------------

Fabrication

Pahlitzsch	Low Temperature Cooling in the Machining Process of Metals	F-TS-1065-RE
------------	---	--------------

Glues

Berger, K and Küch, W.	Determination of the Useful Life of Synthetic-Resin Glues by Means of Viscosity Measurements	F-TS-693-RE
------------------------	--	-------------

Bertozzi, General	Special Features of Some German Airplanes, and Use of a Special Glue called "Kaurit"	F-TS-392-RE
Bock, Eugen	The Setting Process of Wood Gluing Part I	F-TS-1061-RE
Corry, William A. 2nd Lt, AC	Woods and Glues used on Japanese Aircraft	F-IR-80-RE (ATIG-109)
Küch, W.	New Synthetic-Resin Glues for Wooden Airframes	F-TS-694-RE

Light Metals

Bauer, R.	Colorimetric Iron Determination in Light Metals Using Sulfosalicylic Acid	F-TS-1017-RE
Bollenrath and Grüber	Creeping Behavior of Soft Aluminum-Magnesium-Zinc Alloys at Temperatures from 90° to 180°	F-TS-1058-RE
Naugle, C.A.	Nonhydroscopic and Noncorrosive Fluxes Employed in the Welding of Aluminum and Magnesium Alloys in Germany	F-TR-1137-ND
Nüsslein	Preliminary Investigation of the Use of Light Materials in Mono-coque Construction	F-TS-654-RE
Sheibley, John W., Capt, AC	Magnesium Production Methods in Japan	F-IR-113-RE (ATIG-155)
	Bibliography on Magnesium	
Sheibley, John W., Capt, AC	Research of Light Metal Works of the Sumitomo Chemical Co., Ltd., Niihama	F-IR-88-RE (ATIG-209)

Magnet Alloys

Galanty, Harold, Pvt, AC	Magneto-Strictive Materials	F-IR-125-RE (ATIG-287)
Galanty, Harold, Pvt, AC	Powered Magnetic Core Materials and a High Permeability Material for Casting	F-IR-118-RE (ATIG-260)
Galanty, Harold, Pvt, AC	Supplementary Report on Permanent Magnet Alloys	F-IR-93-RE (ATIG-283)
Galanty, Harold, Pvt, AC	New High-Permeability Magnetic Material	F-IR-115-RE (ATIG-180)

Metallurgical Research

Sheibley, John W., Capt, AC	Metallurgical Research at Tohoku Imperial University	F-IR-119-RE (ATIG-297)
-----------------------------	--	---------------------------

Metals

Puffer, S.R. and Badger, W.L. Evaluation of German Steels in United States Standards F-TS-626-RE

Paints and Dopes

Corry, William A., 2nd Lt, AC Japanese Aircraft Paints and Dopes F-IR-82-RE (ATIG-129)

Phosphors

Deutschbein, O. On a Procedure for Obtaining Monochromatic Luminescent Radiation F-TS-633-RE

Tomaschek, R. and Bauer, P. Concerning Sensitized Phosphors I F-TS-1807-RE

PlasticsPlasticizers

Löffler, Karl, Dr. Ether Carboxylic Acid Esters as Plasticizers for Igelit Synthetic Rubber F-TS-1036-RE

Löffler, Karl, Dr. Experimental Comparison of the Forerun Fatty Acid Ester of Octanetetrol, of Hexanetriol and Pentaerythrite as Plasticizers of Igelit PCU F-TS-1013-RE

Löffler, Karl, Dr. Report Concerning Experiments with Several "Cold-Esters" from Leuna as Plasticizers for Igelit PCU F-TS-1012-RE

Löffler, Karl, Dr. Styrene Residues as Plasticizers for Igelit PCU F-TS-1039-RE

Orth, Dr. Apparatus for Determining Metallic Potassium Content in Potassium-Raw Plasticizer 32 Produced by a Continuous Process. F-TS-1019-RE

Weinbrenner Igelit Plasticizing Agents Based on Ether-Carboxylic Acids, Thio-Ether-Carboxylic Acids and Thio-Ether Alcohols F-TS-630-RE

Löffler, Karl Igelit (Synthetic Rubber) Plasticizers Containing Sulfur Atoms F-TS-1049-RE

Polymerization

Jacobi, Dr. Test on the Polymerization of Igelit PCU, Especially with new Emulsifying Agents F-TS-1010-RE

Meyer Research on Igelit Latex F-TS-1011-RE

Properties

Gary	Investigation of the Transparency of Bullet-Proof Glass	F-TS-699-RE
Löffler, Dr.	Thermal Stability of Igelit PCU Powder and Sheets	F-TS-1008-RE
Sigwart, H.	The Effect of Intrinsic Compressive Stresses on Crazing and Strength Characteristics of Plexiglas M-33	F-TS-1051-RE
Vieweg	Electrical Properties of Transparent Plastic Materials (Organic Glass)	F-TS-1009-RE

Plating

Blasberg, Friedrich	Directions for Using the FBM Hard Chromium Plating Baths. No. 1503/1	F-TS-388-RE
---------------------	---	-------------

Testing

	Testing Machines	F-TS-782-RE
--	------------------	-------------

Wood

Beardsley, G.F., Capt, USN	Aircraft Veneer Plywood Laminated Wood and Adhesives	F-IR-84-RE (ATIG-38)
Küch, W. and Reim, W.	Strength and Hygroscopic Properties of Light Materials	F-TS-627-RE
Küch and Schneider	Strength Properties of Birch and Alder Laminated Wood	F-TS-641-RE

METEOROLOGY

Georgii, Walter	Stratospheric Research	F-TS-425-RE
Regener, Enrich	The Structure and Composition of the Stratosphere.	F-TS-509-RE
Georgii, Walter	Aeronautical Meteorology of High Altitudes	F-TS-545-RE
Weickmann, Ludwig	Facts Established Through Meteorological Research of the Stratosphere	F-TS-465-RE
	Stratosphere Research	F-TS-427-RE

ORGANIZATIONS, LABORATORIES AND RESEARCH STATIONS

Dircksen, A.D., Maj, AC	Inspection of Equipment Laboratories at Tachikawa	F-IR-79-RE (ATIG-107)
Lowell, A.L., Capt, AC and Sewell, R.G.S., 2nd Lt, AC	Japanese Organization for Scientific Research	F-IR-116-RE (ATIG-185)
Schussler, Karl	Ballistic Test and Measuring Equipment of the Hermann Goering Institute of Aeronautical Research	F-TS-404-RE
Spangler, S.B., Capt, USN	Underground Installations Near Yokosuka Naval Air Station	F-IR-44-RE (ATIG-51)
Pickering, W. H. Dr.	Japanese Organizations for Scientific Research	F-IR-111-RE (ATIG-132)

PACKING

Bennett, Thomas G., Capt, AC	Report of Investigation Concerning Corrosion Control and Packaging Methods Used by Typical Japanese Manufacturers	F-IR-112-RE (ATIG-141)
------------------------------	---	---------------------------

PHOTOGRAPHY

Dupre, P.	Report on the German Camera Type N.R.b. 35 x 25	F-TS-582-RE
Dupre, P.	Summary Description of a Night Aerial Camera	F-TS-581-RE
	Description and Operating Instructions for the Aerial Survey Camera 75 cm, 30 x 30 (Rb.75/30) FL 38 016	F-TS-422-RE
	Description and Operating Instructions for the Aerial Survey Camera 50 cm, 30 x 30 (Rb.50/30) FL 38 012	F-TS-423-RE
	Instructions for Use and Maintenance of the Stratoscope-Recording Camera	F-TS-522-RE
	Description and Instructions for Use and Maintenance of the Auxiliary Horizon Camera (Designation: M 174 d)	F-TS-429-RE

Schneider, Wilhelm and Wilmanns, Gustav	Agfacolor-New	F-TS-558-RE
	Description and Operating Instruction for the Aerial Survey Camera 20 cm, 30 x 30 (Rb.20/30) FL 38 007	F-TS-426-RE

POWER PLANTS

Combustion

Bension, Stuart W., Jr, Maj, Ord	Measurement of Velocity of Detonating Gas (Explosive)	F-IR-63-RE (ATIG-306)
Lichtenberger, F.	Temperature Indicator	F-TS-930-RE

Cooling

Bosch	Large Aircraft Engines with Cooling Blowers	F-TS-583-RE
Jung, R.	Report on Experiments to Deter- mine Resistance to Flow and Loss of Heat of the Light Metal Coolant Radiators Made by the Metall- Veredlungs-G.m.b.H.	F-TS-534-RE
Linke, W.	Heat Dissipation and Pressure Losses in Light Metal Radiators of Small Depths at Various Angles of Oblique Flow	F-TS-587-RE
Petaja, A.E.	Heat Exchangers and Engine Cooling (JAP)	F-IR-98-RE (ATIG-121)
	Light-Metal Neral Radiators	F-TS-520-RE

Deaeration

Kasche	Research on Deaeration with the Centrifugal Filter	F-TS-553-RE
--------	---	-------------

Engine Manuals and Descriptions

Deinhardt	High-Altitude Engine Jumo 222 E/F	F-TS-563-RE
Morse, J.H., Comdr, USN	General Information on Develop- ment and Test of the Ne-20	F-IR-54-RE (ATIG-65)
	Characteristics of Engines 14 R-4 14 R-5 (Gnome-Rhone)	F-TS-454-RE
	Characteristics of Gnome-Rhone 18 R-12 and 18 R-13 Engines	F-TS-393-RE
	Instruction Manual for Jumo Spec- ial Power Plant 004	F-TS-538-RE

Technical Data on Jet Engine F-TS-537-RE
109-011 A-O (Heinkel)

Temporary Service Manual 109-004 F-TS-412-RE
B-1 and B-4 Engines, Containing
the Most Important Operational
and Servicing Data

Preliminary Installation Plan for F-TS-431-RE
BMW-018 Turbine Jet Engine

Evaluation

Comparison of the Internal Combus- F-TS-669-RE
tion Engine with the Turbo-Jet Engine

Lutz, O. Bases of Comparison of Jet Pro- F-TS-682-RE
pulsion Units

Exhaust Gas Measurement

Groff, H., Dr. Exhaust Gas Measurements with F-TS-631-RE
Thermo-couples

Fuel Injection

Little, E.H. Description of German Fuel In- F-SU-1105-ND
jection Systems

Fuels and Lubricants

Richter Development of a New Oxidation F-TS-923-RE
Procedure for Lubricating Oils

Shayeson, Maurice F-IR-48-RE
W., Maj, AC Japanese Army Research on Aviation
Fuels and Lubricants at Fuchu (ATIG-57)

Shayeson, Maurice F-IR-47-RE
W., Maj, AC Japanese Army Research on Avia-
tion Fuels and Lubricants, Tachikawa (ATIG-56)

Siebeneck, Hans, Dr. Tests for Lead in Lead Ethyl F-TS-560-RE
and Observations on the Volati-
lity of Tetraethyl Lead

Wenzel, H. Development of a Testing Pro- F-TS-1043-RE
cedure in the Single-Cylinder
Engine for Gumming Tendency of
Aircraft Engine Oils in Piston
Rings

Willich, N. Results of Tests with Oxygen F-TS-513-RE
Carriers GM 1 (N_2O) in Air-
plane Engines

Windisch, W.W. Comparison of the German and F-TR-1135-ND
Wright Field Methods for Deter-
mination of Polyisobutylene in
Lubricating Oil (Project No. DP-151)

Windisch, W.W. Petroleum Abstracts from Microfilm F-TS-2-RE
of German Documents

Development of Endurance Test Meth- F-TS-759-RE
ods for Fuels in the NSU Engine

Gas Turbine-Development

Robinson, W. Intelligence Report. Development of a Gas Turbine with Generator and Utilization of Coal and Fuel for Gas Turbines F-TR-105-RE

Wattendorf, F.L., Karman Mission, and Morse, J.H., USN Development of Gas Turbine Propulsion in Japan F-IR-57-RE (ATIG-72)

High Temperature Materials

Kamps, Dr. Conference on Ceramic Materials for Jet Propulsion Apparatus F-TS-401-RE

Morse, J.H., Jr., Comdr, USN High Temperature Alloys Used in Rocket, Jet and Gas Turbine Applications F-IR-58-RE (ATIG-75)

Ignition

Morse, J.H., Jr., Comdr, USN Low Tension Ignition System F-IR-60-RE (ATIG-78)

Jet Propulsion Development

Morse, J.H., Jr., Comdr, USN Brief History of Jet, Turbine, and Rocket Development in Japan F-IR-61-RE (ATIG-79)

Lubrication

Kasche Oil Economy in the Jumo 222 Reduction Gears F-TS-578-RE

Kasche Rate of Oil Flow Through the Crankshaft at Various Locations of the Oil Inlets in the Piston Rod Pins F-TS-565-RE

Wenzel, H. Development of an Oil Testing Machine F-TS-929-RE

Widmaier, O. and Nenninger, L. The Effect of Additives on the Coking Tendency of Lubricating Oils F-TS-953-RE

Performance

Ullmann, K. and Wehner, H. Investigation Into Increase in Output of Aero-Engines F-TS-652-RE

Ullmann, K. and Wehner, H. Investigations Into Power Output Increase of Altitude Aero-Engines (6th Report) F-TS-653-RE

Plating

Blasberg, F. Hard Chromium Plating Equipment for Treating Cylinders F-TS-389-RE

Working Directions for the Chromium Plating of Exhaust Valves 9-801.311-770.12 F-TS-387-RE

Ramjets

Pabst GVD-Report 40, The Performance Values of Lorin (Ramjet) Engines with Full Ramming of Air F-TS-514-RE

The Lorin Duct as Aircraft Propelling Force, and Construction Description No. 283 Duct Engine (Athodyd Fighter) F-TS-523-RE

Rocket

Schaefer, K. On the Thermodynamics of Rocket Propulsion I F-TS-982-RE

Superchargers

Comparison Between the Gear-Driven Supercharger and the Exhaust-Driven Turbine in a High-Altitude Fighter F-TS-552-RE

Technical Data on Exhaust Gas Turbo-Supercharger 9-2426 (Heinkel) F-TS-414-RE

Tanks

Wehage Storage Tests with Igelia Tanks F-TS-1034-RE

Turbine Bearings

Investigations Regarding Two Different Designs of Radial Supports for the Turbine Bearing of the Model 109-Oll Jet Engine F-TS-528-RE

Turbine Blades

Girntke The Laval Type Bucket Base of the Turbine Disc 109-001.150.13 F-TS-530-RE

Weske, John R. Turbine-Grid Conference in Brunswick, Germany F-TS-680-RE

Present Status of Development of Blades for Units 004 and Oll and Development Trend for 003 F-TS-445-RE

Turbo Development

Spangler, S.B., Capt, USN GTPE, Turbo Supercharger, and Jet Engine Design and Development F-IR-42-RE (ATIG-47)

Turbojets-Components

Reutter Devices, Gears and Equipment for the Jet Engine 109-001 (Heinkel) F-TS-532-RE

Turbojets-Starters

Metcalf, Frank E.	The Riedel Two-Cylinder Engine Starter - Model RBA/510	F-TR-1116A-ND
	The Riedel Highly Volatile Fuel Starter of Jet Power Plant 109-Oll A-O	F-TS-544-RE

Turbojets-Vibration

Löffler	Vibrations on the Model 109-Oll Jet Engine (Heinkel)	F-TS-536-RE
---------	--	-------------

Two-Cycle Engine-Development

Reidel	Treaties on the Two Cycle Engine	F-TS-547-RE
--------	----------------------------------	-------------

PROCUREMENT

Schmitt, V.A., Maj, AC	Japanese Army Air Force Procurement, F-IR-122-RE Program, Policies and Procedure (ATIG-311)	
------------------------	--	--

PROPELLERS

Lasswell, Philip M., 2nd Lt, AC	Propeller Section at Tachikawa	F-IR-49-RE (ATIG-58)
Lasswell, Philip M., 2nd Lt, AC	Sumitomo Kanzaki Propeller Factory	F-IR-52-RE (ATIG-61)
Lasswell, Philip M., 2nd Lt, AC	Sumitomo Propeller Developments	F-IR-62-RE (ATIG-83)
Morse, J.H., Comdr, USN	Propeller Design, Development, and Test	F-IR-45-RE
Quick, A.W.	Aerodynamics and Flight Mechanics in the Development of Propellers	F-TS-757-RE

SOURCE REFERENCES

	German English Dictionary	Issue No. 2
	Guide to Publication Standards for Intelligence (T-2) Reports	A-SSOO-DN
Hille, Wilhelm	Information for the Aircraft Builder on Aircraft Drawings	F-TS-762-RE
	Subject Classification of Aeronautical Literature (ZWB System)	F-TS-457-RE

STRUCTURES

General

Gunther, S. and Root, L.R. Questionnaire on Structural Matters; Answers to Questionnaire F-TS-678-RE

THERMODYNAMICS

Noeggerth, Wolfgang Chart for Thermo Dynamical Calculations for Tech Gases up to 3000°C (Project No. NFE-39) F-TR-2108-ND

Schmidt, E., Eckert, E. and Grigull, U. Heat Transfer by Liquids Near the Critical State F-TS-527-RE

Report on the Thermodynamic Calculation of the State of Combustion Gases XXII; Methanol-Chlortrifluoride Reaction F-TS-1027-RE

TRAINING

Thomas, D.E., Maj, AC Training Aids and Devices Used in the Japanese Air Force F-IR-117-RE (ATIG-240)

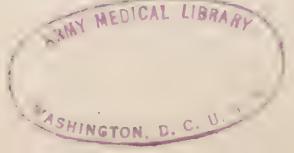
McDouall, B.H., Capt, AC and Welch, G Training Methods and Equipment in the Japanese Air Forces F-IR-78-RE (ATIG-86)

McDouall, B.H., Capt, AC Flexible Gunnery Training in the Japanese Army and Navy Air Forces F-IR-120-RE (ATIG-165)

INDEX OF AUTHORS

	Page		Page
Bachem, C.	14	Groff, H., Dr.	24
Badger, W.L.	20	Groseclose, R.J., Capt, AC	7
Baker, Richard J., 1st Lt, AC	5,6	Groth	4
Barner	17	Guenter, Siegfried	1,3,5, 6
Bauer, P.	20	Gunther, S.	28
Bauer, R.	19	Hafer, Xaver	1
Beardsley, G.F., Capt, USN	13,14,21	Hall, E.N., Maj, AC	5
Becker, Wilhelm	12,18	Haller, Geo. L., Col, AC	13
Bennett, Thomas G., Capt, AC	22	Hamacher	17
Bension, Stuart W., Jr., Maj, Ord	23	Hampp	10
Benzinger, Theodor	16	Hansen, Asmus	16
Berger, K.	18	Hardy, Harry K., 1st Lt, AC	16
Bertozzi, General	19	Harmeming	11
Beushausen, W.	3	Hartsfield, Wm. L., Maj, AC	12
Blasberg, Friedrich	21,25	Hatter, George L., Col, AC	10
Bock, Eugen	19	Hechtel, R.	12
Bollenrath	19	Heerdt	6
Bosch	12,23	Helmbold, Heinrich B.	8
Böttger, R.	17	Helmick, P.F., Col, AC	5,8
Bramble, R.B., Jr.	16	Hemke, Prof.	4
Braun	2,11	Henning, E.S., 1st Lt, AC	10
Brown, Sheldon W., Comdr, USN	1,17	Hennings, W.	2,3
Buhl, Walter T.	14	Henrici, Julius	16
Busemann, A.	3	Henschke, U.	1
Byers, John R., 1st Lt, AC	5	Hermann, B.	15
Castor, John G.B., Capt, AC	4,16	Hill, Landon P., Capt, AC	16
Corry, William A., 2nd Lt, AC	19,20	Hille, Wilhelm	27
Crone	12	Hinterthan, W.	17
Czerlinsbey	10	Hobbs, Marvin	12
Darevsky, V.M.	18	Hoch, Hans	3
Deibel, R.F., Lt. Comdr, USN	11,13,14	Hoenl, H.	4
Deinhardt	17,23	Hoh	12
Deutschbein, O.	20	Hohenemser, K.	8,9
Diem, M.	17	Hohbach	5,6
Dietze	1	Isermann, R.	15
Dilworth, J.A., Capt, AC	7, 8	Jacobi	20
Dirchsen, A.D., Maj, AC	13,22	Jensen, A.G., S/Sgt, AC	13
Dupre ^t , P	22	Jordan	1
Eck	17	Jung, R.	23
Eckert, E.	28	Kaiser Wilhelm Inst.	15
Eder	17	Kamps	25
Eichler	16	Karlson, P.	1
Eichner	6	Kasche	23,25
Eisenberg	11	Katterback	1
Engert	18	Kerr, W.M., Capt, AC	7
Fleissner, G.	13	Knacke, T.	15
Fleming, Dennis J., 2nd Lt, AC	11,13	Kramer, Max	16
Focke-Wulf Flugzeugbau G.m.b.H.	6	Kraus	15
Ford, Robert J., 1st Lt, AC	6	Küch, W.	18,19,21
Galanty, H., Pvt, AC	13,19	Kuechemann	1
Gary	21	Kühn, F.	13
Georgii, Walter	21	Kurzke, H.	11
Gilmore, J.H., Capt, AC	4, 7	Kurzweg	15
Girntke	1,26	Lasswell, Philip M., 2nd Lt, AC	27
Gloeckner, H.	14	Lemme, H.	3
Goethert, H.	4	Lichtenberger, F.	23
Grigull, U.	28	Liebe	2
Groeber, H.	12,19	Lienarz	2

	Page	Page
Lindemann, H.	2	2
Linder, L.	11	2
Linke, W.	23	26
Lippisch, A.	3	14
Little, E.H.	24	12
Löffler, Karl, Dr.	20,21,27	11,12
Lohmann, H.	15	16
Lowell, A.L., Capt, AC	1,22	8,10
Ludweig, H.	3,15	28
Luetgebrune, H.	3	27
Lutz, O.	24	21
Luxenburger, Hans	4	23
Madelung, Georg	15	11
Magnus, K.	14	4
Maier, E.	18	16
Maier, Karl	14	9
Mauch	14	18
Mayer	18	16
McConnell, Gene F., Cpl, AC	6	16
McDouall, B.H., Capt, AC	28	12
Meister, F.J.	4	22
Melhardt	11	2
Messerschmitt, A.G.	6,12,13,18	1
Metcalf, Frank E.	27	22
Meyer	20	24
Monke, Victor J., Capt, AC	15	19
Morse, J.H., Comdr, USN	2,10,23,25,27	24
Mueser, H.	11	24
Multhopp, Hans	3	21
Nauber	8	9
Naugle, C.A.	19	9
Nenninger, L.	25	11
Neubauer, A.	11,12	14,15,28
Nicholson, Hayden C., Maj, MC	4	20
Noeggerth, Wolfgang	28	25
Nüsslein	19	25
Orth	20	5, 6, 7
Oswatitsch	15	11,12,13,18
Pabst	26	16,21
Pahlitzsch	18	17
Perret	10	25
Petaga, A.E., Maj, AC	7,15,23	15
Pick, Heinz	11	26
Pickering, W.H.	12,22	15
Pinsker, W.	2	26
Pippel	10	20
Puffer, S.R.	20	4
Quick, A.W.	27	28
Rapp, Harry W.	10	24,25
Regener, Enrich	21	26
Reidel	27	25
Reichardt, H.	1,17	17
Reiher, H.	4	2
Reim, W.	21	4
Reutter	26	24
Richardson, M.B.	8	23
Richter	24	24
Ritz-Hentrich	17	8
Robinson, W.	25	18
Rott, L.R.	28	11
Ross, Charles A., 1st Lt, AC	5	3
Rottgart, J.	11	
Saveliev, V. V.		2
Sauer		2
Schaefer, K.		26
Schaller, W.H., S/Sgt, AC		14
Schaffer		12
Schaffer, H.		11,12
Schlier		16
Schmid, K.		8,10
Schmidt, E.		28
Schmitt, V.A., Maj, AC		27
Schneider		21
Schneider, Wilhelm		23
Schniedermann, J.		11
Scholheimer		4
Schols, E.		16
Schoppe, G.		9
Schröde		18
Schubert, R.		16
Schulze-Schwanebrugge		12
Schussler, Karl		22
Schwarz		2
Schweir, W.		1
Sewell, R.G.S., 2nd Lt, AC		22
Shayeson, Maurice W., Maj, AC		24
Sheibley, John W., Capt, AC		19
Siebeneck, Hans		24
Sigwart, H.		21
Sissingh, Gerhard		9
Spangler, S.B., Capt USN		8,22,26
Stark		11
Steuding		9
Sudeck		11
Thomas, D.E., Maj, AC		14,15,28
Tomaschek, R.		20
Ullmann, K.		25
Van Wart, F.D., 1st Lt, AC		5, 6, 7
Viehmann, H.		11,12,13,18
Vieweg, R.		16,21
Wagner, Herbert		17
Wattendorf, F.L., Karman Mission		25
Weber		1
Weber, E.		15
Wehage		26
Wehner, H.		25
Weickmann, Ludwig		21
Weinbrenner		20
Weissinger		4
Welch, G.		28
Wenzel, H.		25
Weske, John R.		26
Widmaier, O.		25
Wieghardt, K.		17
Wielandt		2
Wiesselsberger, C.		4
Willich, N.		24
Wilmanns, Gustav		23
Windisch, W.W.		24
Wright Field Library, Reference Br.		8
Zinsstag		18
Zisler, S.		11
Zobel, Theo.		3



NATIONAL LIBRARY OF MEDICINE



NLM 02726910 4
34